| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|--|---|---------------------|---------|------------------|
| | | (cabl\$5 near placement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:29 |
| | | "14" and ((shar\$4 coupl\$4 combin\$6 join\$4 bridg\$4) near2 (line loop pair) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:48 |
| 13 | 9 | \$1dsl:ab. and (qos same weight\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:43 |
| L4 | 17111 | \$1dsl.ab. and qos ((noise cross\$talk) with weight\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:43 |
| L5 | 1 | \$1dsl.ab. and gos and ((noise cross\$talk) with weight\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:45 |
| L7 | 121 | (allocat\$4 with subscriber) and qos and weight\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/07/12 12:45 |
| L8 | 32 | (allocat\$4 with subscriber) and (qos same weight\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:48 |
| L9 | 6361 | upstream same downstream same weight\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:48 |

| L10 | 1269 | (upstream with downstream with weight\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:48 |
|-----|------|--|---|----|----|------------------|
| L11 | 2 | 10 and "379"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:50 |
| L12 | 3 | fat\$pipe and weight\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:50 |
| L13 | 4044 | qos.ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:50 |
| L14 | 392 | 13 and weight\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:51 |
| L15 | 33 | 14 and dsl | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:52 |
| L16 | 98 | (qos "quality of service") with (assign\$4 allocat\$4) with subscriber | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 12:53 |
| L17 | 627 | 379/93.07;325;416.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 13:39 |
| S1 | 1 | (dsl and cross\$coupl\$4).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:24 |

| S2 | 32 | (dsl and next).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:28 |
|-----------|------|---|---|----|-----|------------------|
| S3 | 0 | (dsl and next).ab. and ((cable loop line) near2 placement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:26 |
| S4 | 1130 | cabl\$5 near2 placement | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:31 |
| S5 | 20 | S4 and "379"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:46 |
| S6 | 1 | S5 and (cross\$talk) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:33 |
| S7 | 27 | "5272277".URPN. | USPAT | OR | OFF | 2004/09/22 12:46 |
| S8 | 10 | S7 and (noise cross\$talk) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:46 |
| S9 | 15 | "5593317".URPN. | USPAT | OR | OFF | 2004/09/22 13:22 |
| S10 | 19 | ("3677101" "3761842" "3856981" "4203639" "4214799" "4231630" "4239932" "4377724" "4631881" "4792881" "4815984" "4928303" "4941845" "5149277" "5226835" "5272277" "5299956" "5340331" "5362257").PN. | USPAT | OR | OFF | 2004/09/22 13:29 |
| S11 | 10 | S10 and cross | USPAT | OR | OFF | 2004/09/22 13:36 |
| S12 | 7 | (measure with next) and optimize and "379"/\$.ccls. | USPAT | OR | OFF | 2004/09/22 13:37 |
| S13. | 9 | ("5519731" "5668802" "5673290" "5680394" "5757803" "5838667" "5991311" "6069922" "6097763").PN. | USPAT | OR | OFF | 2004/09/22 13:56 |

| S14 | 8 | ("4113987" "4220816" "5084903" "5412689" "5594726" "5764699" "5796716" "5970088").PN. | USPAT | OR | OFF | 2004/09/22 13:48 |
|-----|-----|---|---|----|-----|------------------|
| S15 | 3 | (dsl and (line loop) and qualification).ab. | USPAT | OR | OFF | 2004/09/22 14:07 |
| S16 | 2 | ("6028867" "6249578").PN. | USPAT | OR | OFF | 2004/09/22 14:04 |
| S17 | 381 | 379/325,326,327.ccls. | USPAT | OR | OFF | 2004/09/22 14:50 |
| S18 | 5 | S17 and cross\$talk | USPAT | OR | OFF | 2004/09/22 14:10 |
| S19 | 45 | dsl and ((line loop) with qualif\$7) | USPAT | OR | OFF | 2004/09/22 14:11 |
| S20 | 17 | 379/399.01.ccls. and cross\$talk | USPAT | OR | OFF | 2004/09/22 14:49 |
| S21 | 542 | 379/93:05-93:07.ccls. | USPAT | OR | OFF | 2004/09/22 14:50 |
| S22 | 45 | S21 and \$1dsl and (next cross\$talk) | USPAT | OR | OFF | 2004/09/22 14:51 |
| S23 | 22 | fat\$pipe | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 16:47 |
| S24 | 22 | ("5101402" "5231593" "5251152" "5274631" "5305305" "5521907" "5530842" "5572674" "5586251" "5590120" "5606664" "5621664" "5649107" "5715247" "5717858" "5751698" "5764626" "5790786" "5802040" "5838677" "5867483" "5887000").PN. | USPAT | OR | OFF | 2004/09/21 14:08 |
| S25 | 10 | "6137865" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:19 |
| S26 | 0 | "09702759" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:19 |
| S27 | 9 | "702759" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:24 |

| S28 | 211 | (bridge with (filter hpf lpf)) and "379"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:24 |
|-----|-----|--|---|----|----|------------------|
| S29 | 18 | (bridge with (filter hpf lpf)).ab. and "379"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:30 |
| S30 | 0 | r416090a | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:30 |
| S31 | 11 | "416090" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:35 |
| S32 | 241 | 379/416.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 13:39 |
| S33 | 68 | 379/416.ccls. and (hpf-lpf-filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:35 |
| S34 | 9 | (379/416.ccls. and (hpf lpf filter)) and dsl | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:43 |
| S35 | 881 | 379/380,416,93.05-93:07.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:44 |
| S36 | 140 | 379/380,416,93.05-93.07.ccls. and \$1dsl | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:55 |
| S37 | 100 | (379/380,416,93.05-93.07.ccls. and \$1dsl) and (filter hpf lpf) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:47 |

| S38 | 314 | 379/380,416,93.05-93.07.ccls. and ((shar\$4 coupl\$4 combin\$6 join\$4 bridg\$4) near2 (line loop pair)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:49 |
|-----|---------|--|---|------|----|------------------|
| S39 | 84 | (379/380,416,93.05-93.07.ccls. and ((shar\$4 coupl\$4 combin\$6 join\$4 bridg\$4) near2 (line loop pair))) and \$1dsl | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 16:06 |
| S40 | | fat\$pipe and ("central office" co) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | ON | 2004/09/21 16:09 |
| S41 | 6 | aghdam.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 16:49 |
| S42 | 2 | distribute with dsl with pots | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/22 12:24 |
| S43 | 5194 | hpf | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 14:35 |
| S44 | 1295098 | (379/380,416,93.05-93.07.ccls. and \$1dsl) (filter hpf lpf) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 15:47 |
| S45 | 0 | fat\$pipe and ("central office" co). ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 16:07 |
| S46 | 34 | fat\$pipe | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:24 |
| S47 | 55642 | cross\$talk , | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:24 |

| S48 | 340 | S47 and (shar\$4 with bandwidth) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:24 |
|-----|------|--|---|----|-----|------------------|
| S49 | 149 | S47 and (allocat\$4 with subscriber) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:25 |
| S50 | 22 | S48 and S49 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:25 |
| S51 | 0 | ("6510171").URPN. | USPAT | OR | OFF | 2005/07/12 09:38 |
| S52 | 3139 | minimiz\$4 with cross\$talk | USPAT | OR | OFF | 2005/07/12 09:39 |
| S53 | 5209 | minimiz\$4 with cross\$talk | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:44 |
| S54 | 1120 | S53 and (select\$4 with (line loop pair)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:40 |
| S55 | 6 | S54 and filter and (bridge\$tap\$2 (bridge adj tap\$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:42 |
| S56 | 110 | (minimiz\$4 with cross\$talk) same (select\$4 with (line loop pair)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:25 |
| S57 | 8 | (minimiz\$4 with cross\$talk) same (allocat\$5 with (line loop pair)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ÖN | 2005/07/12 10:38 |

| S58 | 0 | subsciber and (bandwidth with shar\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:38 |
|-----|------|--|---|---------|------|------------------|
| S59 | 2003 | subscriber and (bandwidth with shar\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON. | 2005/07/12 12:41 |
| S60 | 124 | S59 and cross\$talk | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/07/12 10:44 |
| S61 | 202 | subscriber and (bandwidth with shar\$4 with (line loop pair)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:44 |
| S62 | 25 | S61 and cross\$talk | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR · | ON | 2005/07/12 10:44 |